ABSTRACT

A porous aluminum fluoride on which $SbCl_xF_{5-x}$ (wherein x represents a numeral of 0 to 5) is supported, $SbCl_xF_{5-x}$ being obtainable by supporting $SbCl_5$ or the like on a porous aluminum fluoride and treating it with hydrogen fluoride. The resulting porous aluminum fluoride has a high activity as a fluorinating agent, a fluorination catalyst, or the like, is easy to handle, can be used for a flow-type reaction, and also can be used even at a high temperature.